

REMARKS

This communication responds to the Office Action mailed on May 28, 2009.

Claims 13, 18, and 23 are amended, claims 1, 4, 5, 8, 11, 12, 17, 24, and 26 were previously canceled, claims 2, 3, 6, 7, 25, and 27 are canceled, and claims 29-34 are added. As a result, claims 9, 10, 13-16, 18-23, and 28-34 are now pending in this application. Claim 23 has been amended to accommodate changes in the language of the corresponding independent claim, and not for reasons related to patentability.

§ 103 Rejection of the Claims

Claims 13, 15, 16, 18, 19, 20, and 22 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Lim (U.S. 6,819,706) in view of Langberg et al. (U.S. 5,852,630, hereinafter “Langberg”). In view of the amendments to independent claims 13 and 18, this rejection is respectfully traversed.

Claims 13 and 18 have been amended solely to expedite prosecution of this application, and not for reasons related to patentability. Amended claims 13 and 18 recite, in pertinent part, “canceling interference present in the composite signal, wherein canceling the interference present in the composite signal further comprises reconstructing the interference present in the composite signal” and “an active channel controller to couple to the analog-to-digital converter, wherein the active channel controller is to determine a down conversion frequency according to an activity status of a selected section included in a plurality of sections corresponding to the plurality of received signals,” respectively. These elements are also present in allowed claims 9 and 28, respectively. Therefore, it is respectfully requested that the rejection of claims 13 and 18 under 35 U.S.C. § 103(a) be reconsidered and withdrawn.

Claims 15, 16, 19, 20, and 22 depend from their respective independent claims 13 and 18, and contain additional, patentable subject matter. Because claims 13 and 18 are therefore nonobvious, claims 15, 16, 19, 20, and 22 are also nonobvious, since any claim depending from a nonobvious independent claim is also nonobvious. *See* M.P.E.P. 2143.03. It is therefore respectfully requested that the rejection of claims 15, 16, 19, 20, and 22 under 35 U.S.C. § 103(a) be also reconsidered and withdrawn.

Claim 14 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Kawanabe et al. (U.S. 7,054,397, hereinafter “Kawanabe”) in view of Lim and Langberg. Claim 14 depends from independent claim 13, and contains additional, patentable subject matter. Since claim 13 is nonobvious, claim 14 is also nonobvious, since any claim depending from a nonobvious independent claim is also nonobvious. *See* M.P.E.P. 2143.03. It is therefore respectfully requested that the rejection of claim 14 under 35 U.S.C. § 103(a) be reconsidered and withdrawn.

Claim 21 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Lim and Langberg and further in view of Lindquist et al. (U.S. 6,373,909, hereinafter “Lindquist”). Claim 21 depends from independent claim 18, and contains additional, patentable subject matter. Since claim 18 is nonobvious, claim 21 is also nonobvious, since any claim depending from a nonobvious independent claim is also nonobvious. *See* M.P.E.P. 2143.03. It is therefore respectfully requested that the rejection of claim 21 under 35 U.S.C. § 103(a) be reconsidered and withdrawn.

Claim 23 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Lim and Langberg and further in view of Casabona et al. (U.S. 5,872,540, hereinafter “Casabona”). Claim 23 depends from independent claim 18, and contains additional, patentable subject matter. Since claim 18 is nonobvious, claim 23 is also nonobvious, since any claim depending from a nonobvious independent claim is also nonobvious. *See* M.P.E.P. 2143.03. It is therefore respectfully requested that the rejection of claim 23 under 35 U.S.C. § 103(a) be reconsidered and withdrawn.

Allowable Subject Matter

The allowance of claims 2, 3, 6, 7, 9, 10, 25, 27, and 28 is noted with gratitude. Claims 2, 3, 6, 7, 25, and 27 have been canceled due to their incorporation into new claims, as noted below.

New Claims

Claims 29-34 have been newly added so as to cleanly depend from their respective independent claims. New claims 29-34 recite the same elements of allowed claims 2, 3, 6, 7, 25, and 27, respectively, which are now canceled. Thus, no new matter has been added. It is therefore respectfully requested that claims 29-34 be considered and allowed.

CONCLUSION

It is respectfully submitted that all of the pending claims are in condition for allowance, and notification to that effect is earnestly requested. The Examiner is invited to telephone the undersigned representative at (210) 308-5677 to facilitate prosecution of this application. If necessary, please charge any additional fees or deficiencies, or credit any overpayments to Deposit Account No. 19-0743.

Respectfully submitted,

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